

FIGURE 1

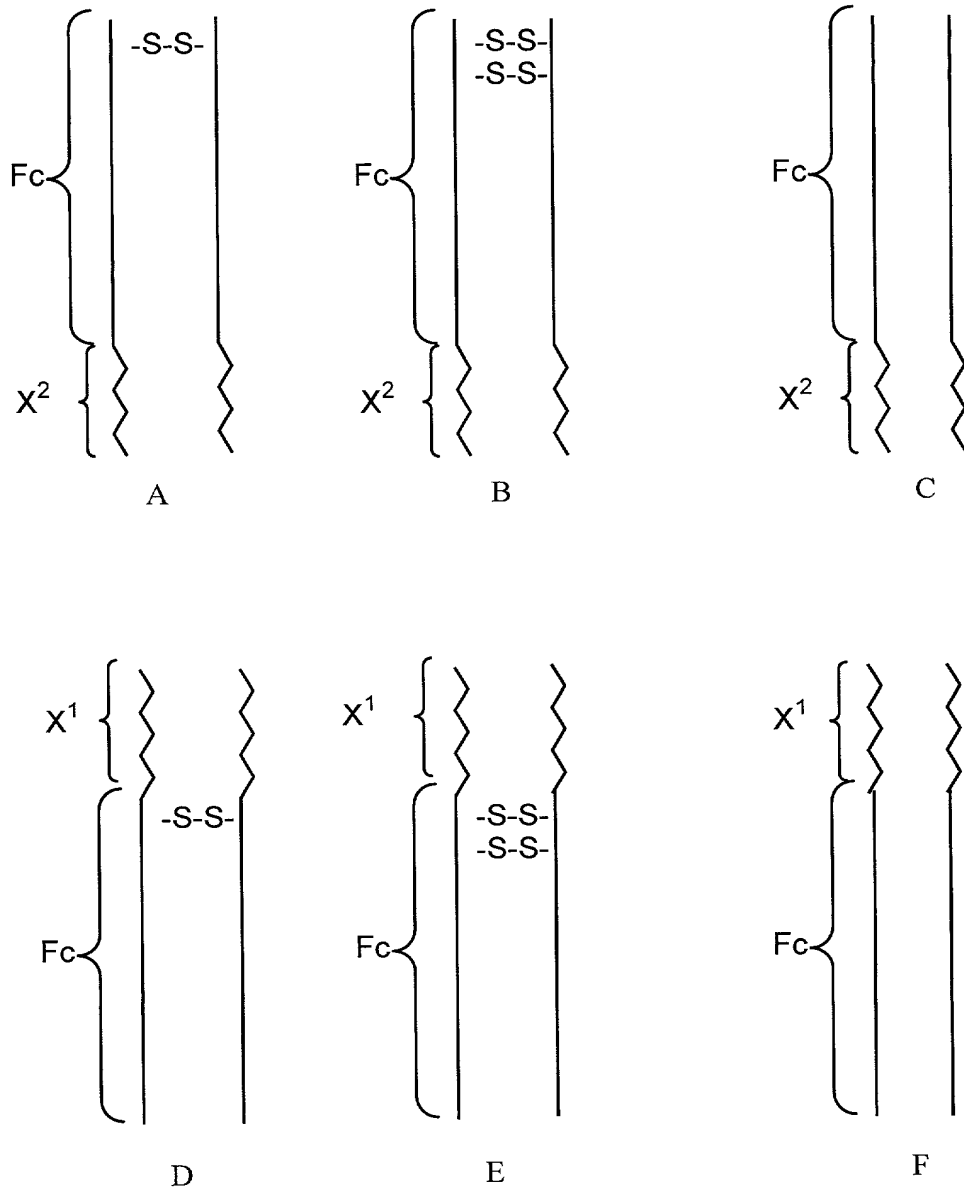


FIG. 2

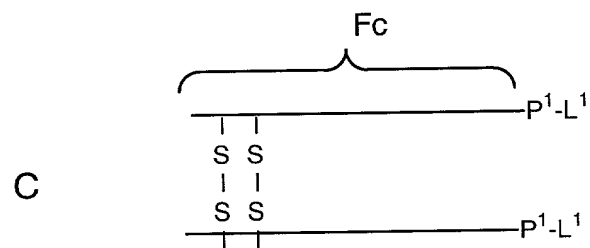
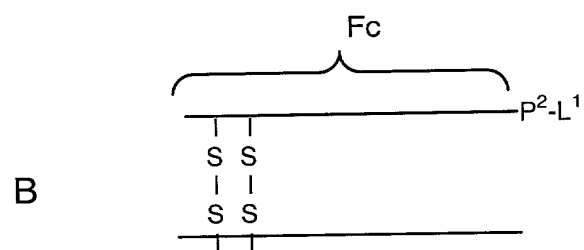
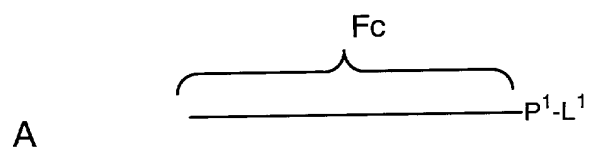


FIG. 3

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ATGGACAAAACCTCACACATGTCCACCTTGTCAGCTCCGGAACCTCTGGGGGGACCGTCA
1  -----+-----+-----+-----+-----+-----+-----+ 60
TACCTGTTTTGAGTGTGTACAGGTGGAACAGGTCGAGGCCTTGAGGACCCCCCTGGCAGT

a   M D K T H T C P P C P A P E L L G G P S -

GTCTTCCTCTTCCCCCAAAACCAAGGACACCCTCATGATCTCCCGGACCCCTGAGGTG
61  -----+-----+-----+-----+-----+-----+-----+ 120
CAGAAGGAGAAGGGGGGTTTTGGGTTCTGTGGGAGTACTAGAGGCCTGGGGACTCCAG

a   V F L F P P K P K D T L M I S R T P E V -

ACATGCGTGGTGGTGGACGTGAGCCACGAAGACCCTGAGGTCAAGTTCAACTGGTACGTG
121 -----+-----+-----+-----+-----+-----+-----+ 180
TGTACGCACCACCACCTGCACTCGGTGCTTCTGGGACTCCAGTTCAAGTTGACCATGCAC

a   T C V V V D V S H E D P E V K F N W Y V -

GACGGCGTGGAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACAACAGCACG
181 -----+-----+-----+-----+-----+-----+-----+ 240
CTGCCGCACCTCCACGTATTACGGTTCTGTTTCGGCGCCCTCCTCGTCATGTTGTCGTGC

a   D G V E V H N A K T K P R E E Q Y N S T -

TACCGTGTGGTCAGCGTCTCTCACCGTCTGCAACAGGACTGGCTGAATGGCAAGGAGTAC
241 -----+-----+-----+-----+-----+-----+-----+ 300
ATGGCACACCAGTCGCAGGAGTGGCAGGACGTGGTCTGACCGACTTACCGTTCTCTCATG

a   Y R V V S V L T V L H Q D W L N G K E Y -

AAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCCATCGAGAAAACCATCTCCAAAGCC
301 -----+-----+-----+-----+-----+-----+-----+ 360
TTCACGTTCCAGAGGTGTTTTCGGGAGGGTCGGGGGTAGCTCTTTTGGTAGAGGTTTCGG

a   K C K V S N K A L P A P I E K T I S K A -

AAAGGGCAGCCCCGAGAACCACAGGTGTACACCCTGCCCCCATCCCGGGATGAGCTGACC
361 -----+-----+-----+-----+-----+-----+-----+ 420
TTTCCCGTCGGGGCTCTTGGTGTCCACATGTGGGACGGGGGTAGGGCCCTACTCGACTGG

a   K G Q P R E P Q V Y T L P P S R D E L T -

AAGAACCAGGTCAGCCTGACCTGCCTGGTCAAAGGCTTCTATCCCAGCGACATCGCCGTG
421 -----+-----+-----+-----+-----+-----+-----+ 480
TTCTTGGTCCAGTCGGACTGGACGGACCACTTTCGGAAGATAGGGTCGCTGTAGCGGCAC

a   K N Q V S L T C L V K G F Y P S D I A V -

GAGTGGGAGAGCAATGGGCAGCCGAGAACAACCTACAAGACCACGCCCTCCCGTGTCTGGAC
481 -----+-----+-----+-----+-----+-----+-----+ 540
CTCACCTCTCGTTACCCGTCGGCCTCTTGTGATGTCTGGTGCAGGGGCACGACCTG

a   E W E S N G Q P E N N Y K T T P P V L D -

TCCGACGGCTCCTTCTTCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAG
541 -----+-----+-----+-----+-----+-----+-----+ 600
AGGCTGCCGAGGAAGAAGGAGATGTCGTTTCGAGTGGCACCTGTTCTCGTCCACCGTCGTC

a   S D G S F F L Y S K L T V D K S R W Q Q -

GGGAACGTCTTCTCATGCTCCGTGATGCATGAGGCTCTGCACAACCACTACACGCAGAAG
601 -----+-----+-----+-----+-----+-----+-----+ 660
CCCTTGCGAGAAGATTACGAGGCACTACGTACTCCGAGACGTGTTGGTGTGTCGCTCTTC

a   G N V F S C S V M H E A L H N H Y T Q K -

AGCCTCTCCCTGTCTCCGGGTAAA
661 -----+-----+-----+-----+-----+-----+ 684
TCGGAGAGGGACAGAGGCCCATTT

a   S L S L S P G K

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FIG. 3

FIG. 4

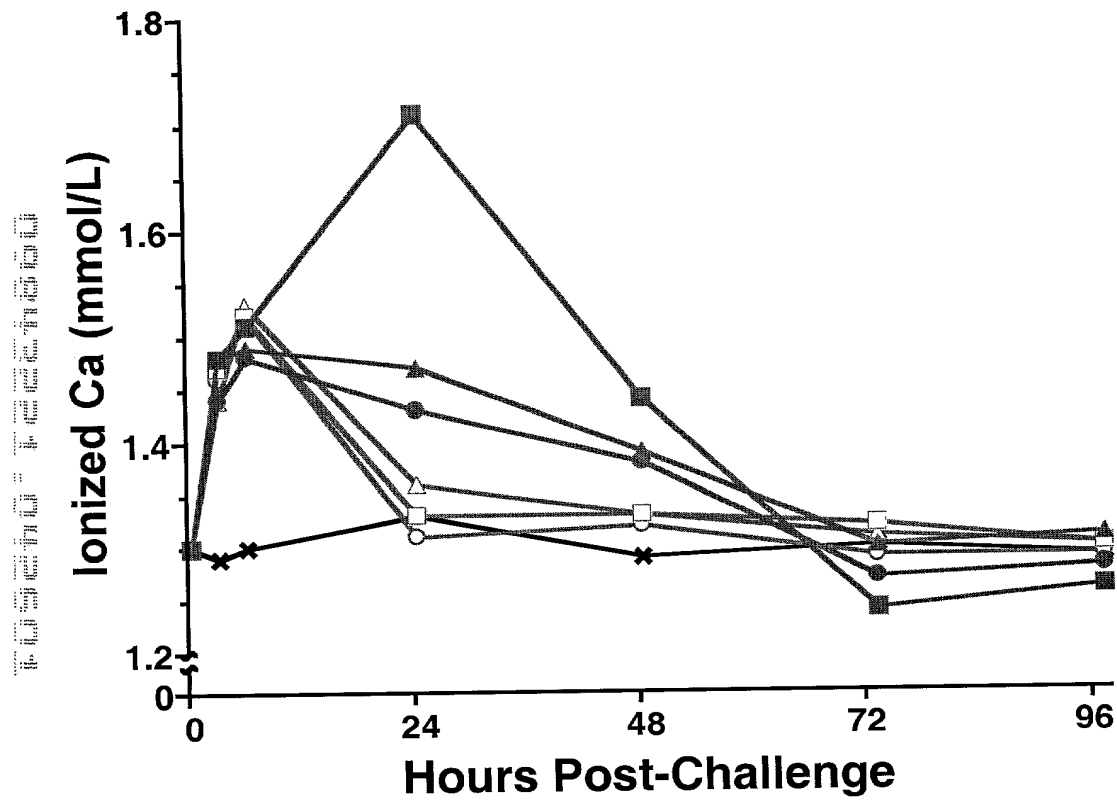


FIG. 5

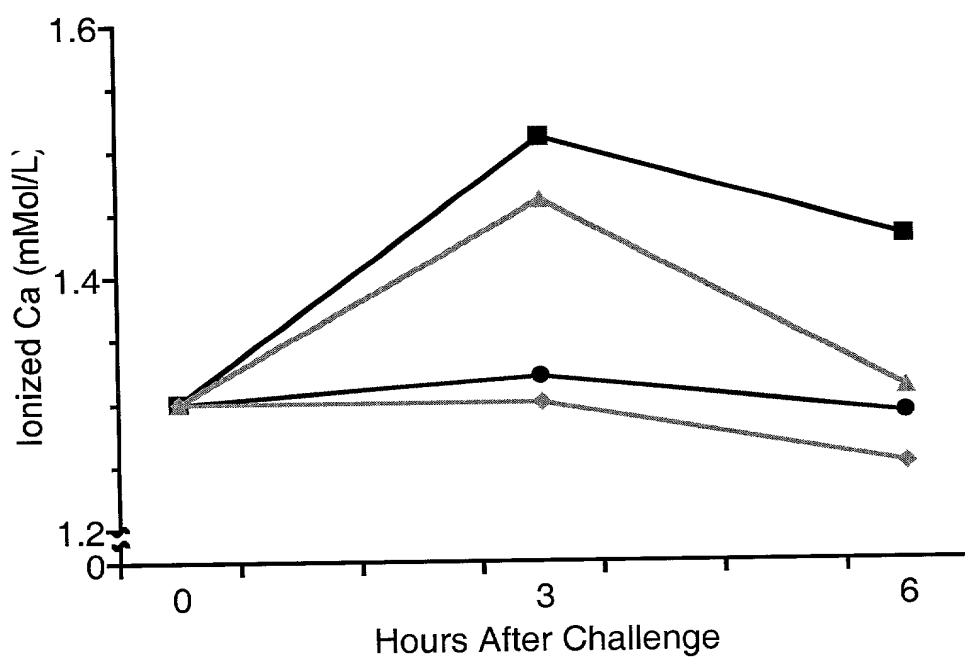


FIG. 6

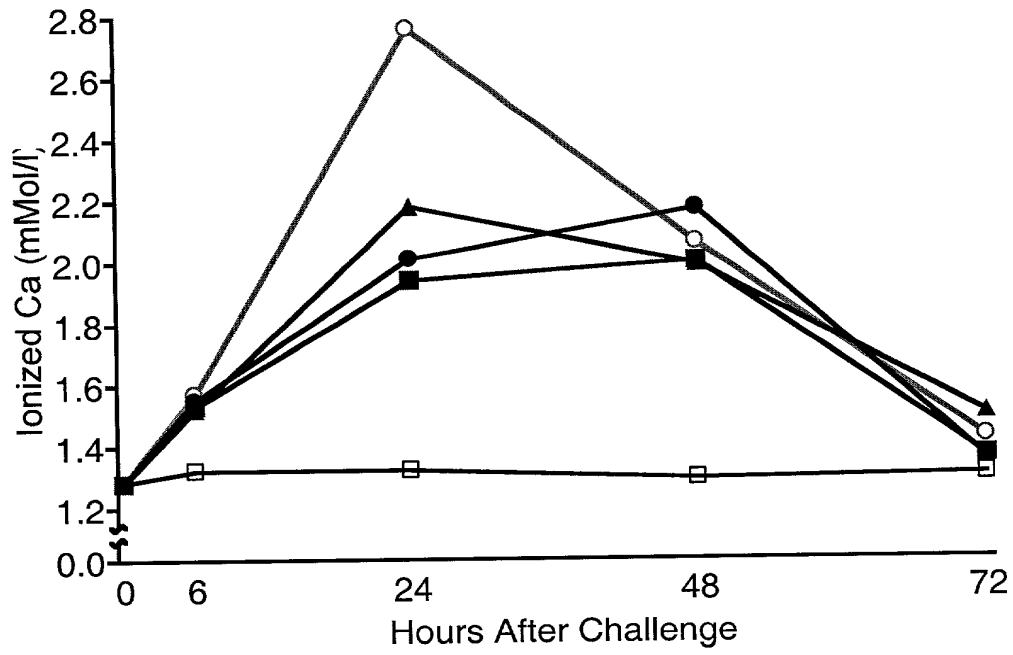


FIG. 7

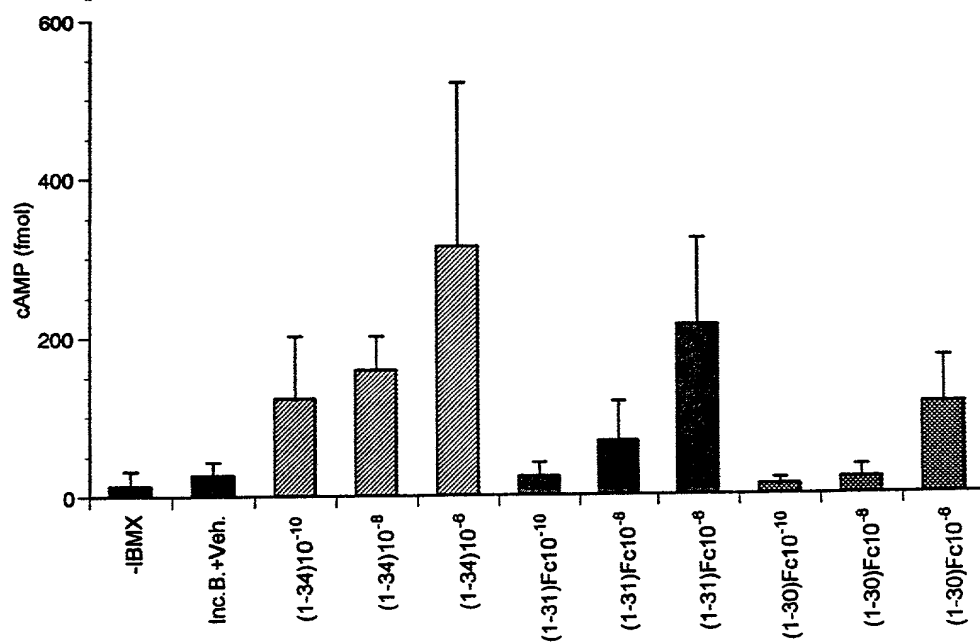
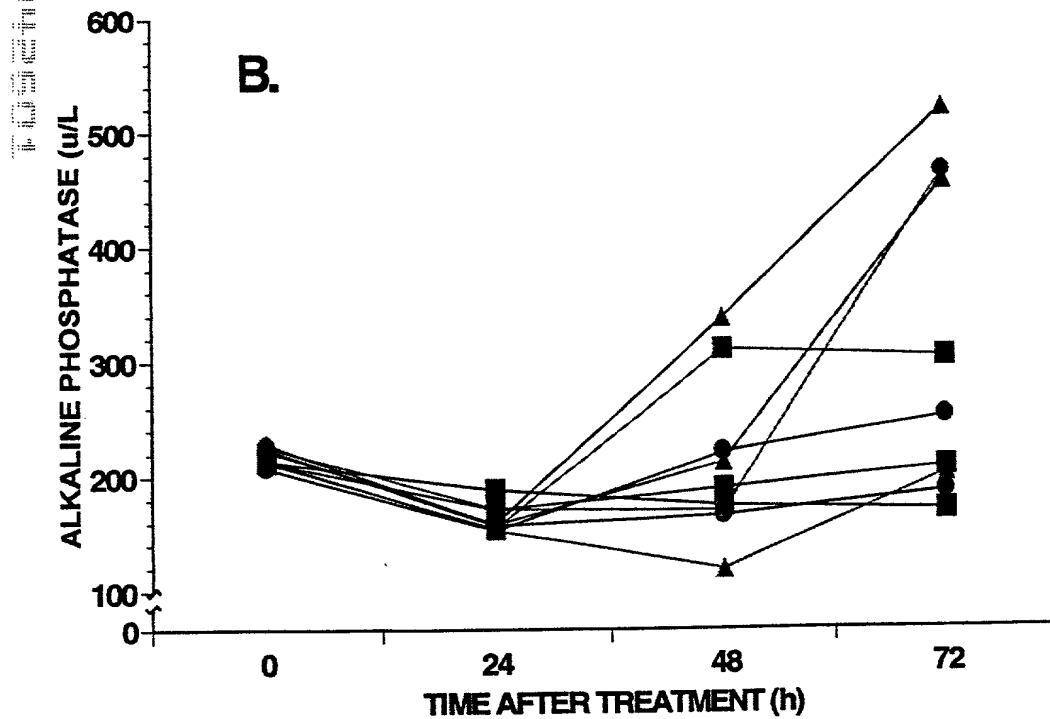
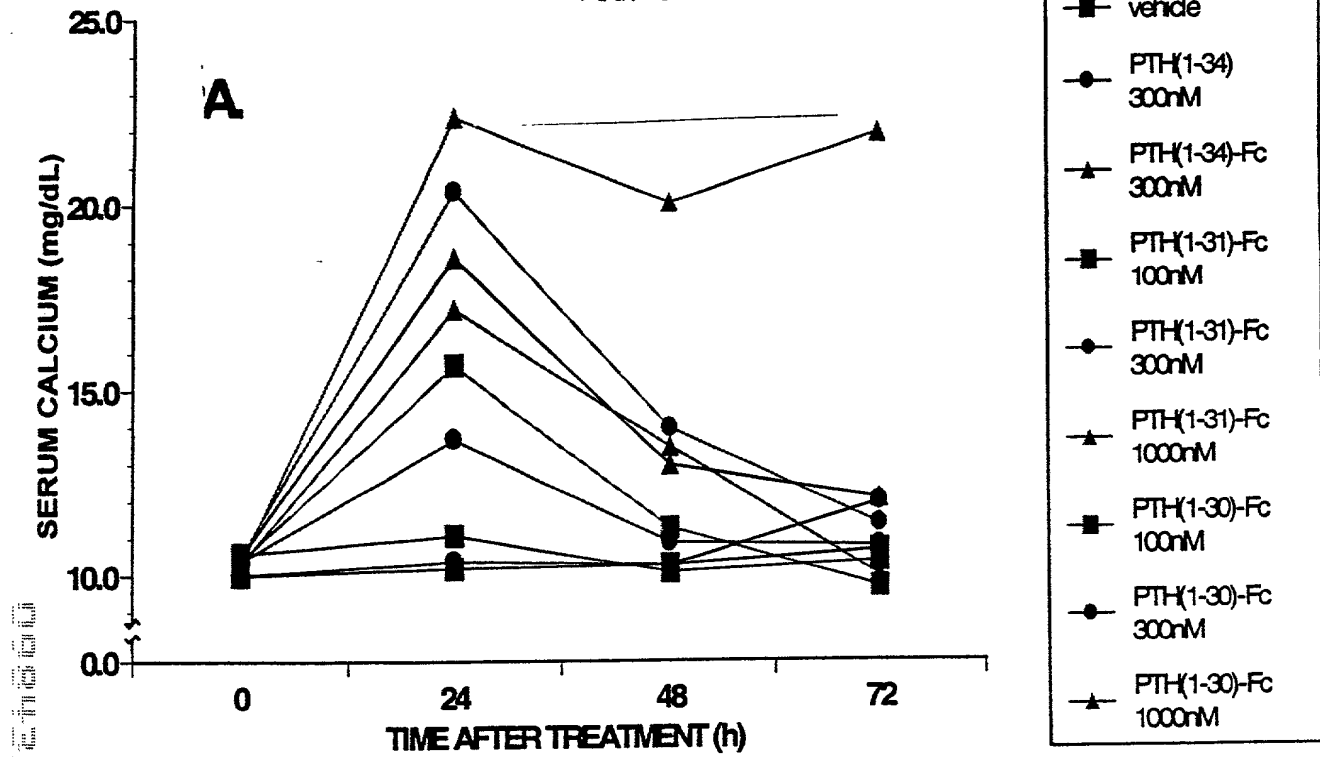


FIG. 8



Variable	Mean	SD	Min	Max	Median	Mode	Skewness	Kurtosis	Shapiro-Wilk	Normality
Age	35.2	12.5	18	65	32	30	0.15	2.8	0.98	Normal
Gender	1.2	0.4	1	2	1	1	0.05	0.5	0.99	Normal
Marital Status	2.1	0.8	1	3	2	2	0.10	1.2	0.97	Normal
Education	14.5	2.1	8	18	13	12	0.20	3.5	0.95	Normal
Income	1200	300	500	2000	1100	1000	0.18	2.9	0.96	Normal
Occupation	1.5	0.5	1	3	1	1	0.08	0.8	0.99	Normal
Health Status	2.5	0.6	1	3	2	2	0.12	1.5	0.97	Normal
Stress Level	3.2	1.1	1	5	3	3	0.16	3.0	0.96	Normal
Life Satisfaction	4.1	0.9	2	5	4	4	0.14	2.7	0.98	Normal
Resilience	3.8	1.0	1	5	3	3	0.17	3.1	0.95	Normal
Emotional Stability	4.5	0.7	3	5	4	4	0.11	2.6	0.97	Normal
Social Support	3.5	0.8	1	5	3	3	0.13	2.8	0.96	Normal
Life Events	2.8	0.9	1	4	2	2	0.19	3.2	0.94	Normal
Personal Growth	3.9	1.0	1	5	3	3	0.15	3.0	0.96	Normal
Self-Esteem	4.2	0.8	3	5	4	4	0.12	2.7	0.97	Normal
Life Purpose	3.7	0.9	1	5	3	3	0.16	3.1	0.95	Normal
Life Satisfaction (Revised)	4.3	0.7	3	5	4	4	0.11	2.6	0.97	Normal
Life Purpose (Revised)	3.6	0.8	1	5	3	3	0.13	2.8	0.96	Normal
Life Satisfaction (Revised)	4.4	0.6	3	5	4	4	0.10	2.5	0.98	Normal
Life Purpose (Revised)	3.8	0.9	1	5	3	3	0.14	2.9	0.96	Normal
Life Satisfaction (Revised)	4.6	0.5	3	5	4	4	0.09	2.4	0.99	Normal
Life Purpose (Revised)	3.9	0.8	1	5	3	3	0.12	2.7	0.97	Normal
Life Satisfaction (Revised)	4.7	0.4	3	5	4	4	0.08	2.3	0.99	Normal
Life Purpose (Revised)	4.0	0.7	1	5	3	3	0.11	2.6	0.97	Normal
Life Satisfaction (Revised)	4.8	0.3	3	5	4	4	0.07	2.2	0.99	Normal
Life Purpose (Revised)	4.1	0.6	1	5	3	3	0.10	2.5	0.98	Normal
Life Satisfaction (Revised)	4.9	0.2	3	5	4	4	0.06	2.1	0.99	Normal
Life Purpose (Revised)	4.2	0.5	1	5	3	3	0.09	2.4	0.98	Normal
Life Satisfaction (Revised)	5.0	0.1	3	5	4	4	0.05	2.0	0.99	Normal
Life Purpose (Revised)	4.3	0.4	1	5	3	3	0.08	2.3	0.98	Normal
Life Satisfaction (Revised)	5.1	0.0	3	5	4	4	0.04	1.9	0.99	Normal
Life Purpose (Revised)	4.4	0.3	1	5	3	3	0.07	2.2	0.98	Normal
Life Satisfaction (Revised)	5.2	0.0	3	5	4	4	0.03	1.8	0.99	Normal
Life Purpose (Revised)	4.5	0.2	1	5	3	3	0.06	2.1	0.98	Normal
Life Satisfaction (Revised)	5.3	0.0	3	5	4	4	0.02	1.7	0.99	Normal
Life Purpose (Revised)	4.6	0.1	1	5	3	3	0.05	2.0	0.98	Normal
Life Satisfaction (Revised)	5.4	0.0	3	5	4	4	0.01	1.6	0.99	Normal
Life Purpose (Revised)	4.7	0.0	1	5	3	3	0.04	1.9	0.98	Normal
Life Satisfaction (Revised)	5.5	0.0	3	5	4	4	0.00	1.5	0.99	Normal
Life Purpose (Revised)	4.8	0.0	1	5	3	3	0.03	1.8	0.98	Normal
Life Satisfaction (Revised)										

C.

TIME AFTER TREATMENT (h)	Control (squares)	100 mg/kg (circles)	200 mg/kg (triangles)	400 mg/kg (diamonds)
0	~6.5	~6.5	~6.5	~6.5
24	~6.5	~8.5	~9.0	~8.5
48	~6.5	~15.5	~20.0	~6.5
72	~6.5	~6.5	~26.5	~6.5

D.

AP:TRAP RATIO

TIME AFTER TREATMENT (h)

Genotype	0 h	24 h	48 h	72 h
▲ (top)	32	25	70	112
■ (top)	32	33	55	72
● (top)	32	25	41	45
■ (middle)	32	25	35	36
● (middle)	32	25	30	30
■ (bottom)	32	20	28	28
● (bottom)	32	20	16	16
▲ (bottom)	32	20	7	8

FIG. 9

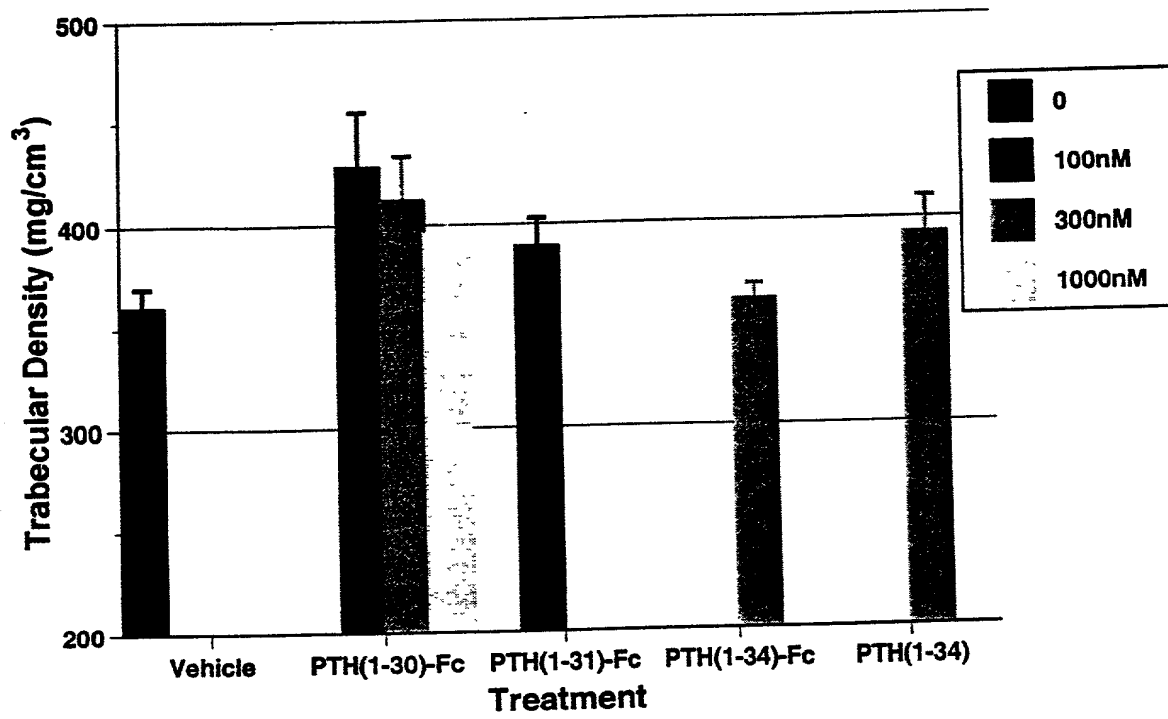


Fig. 10

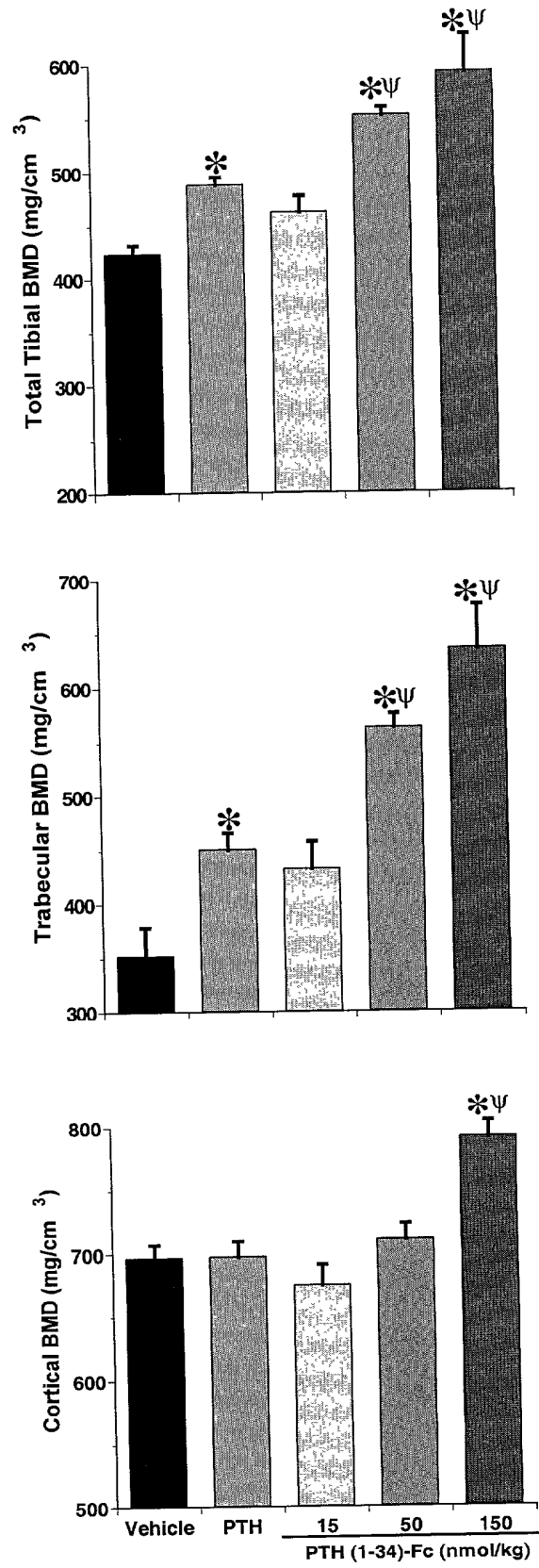


Fig. 11

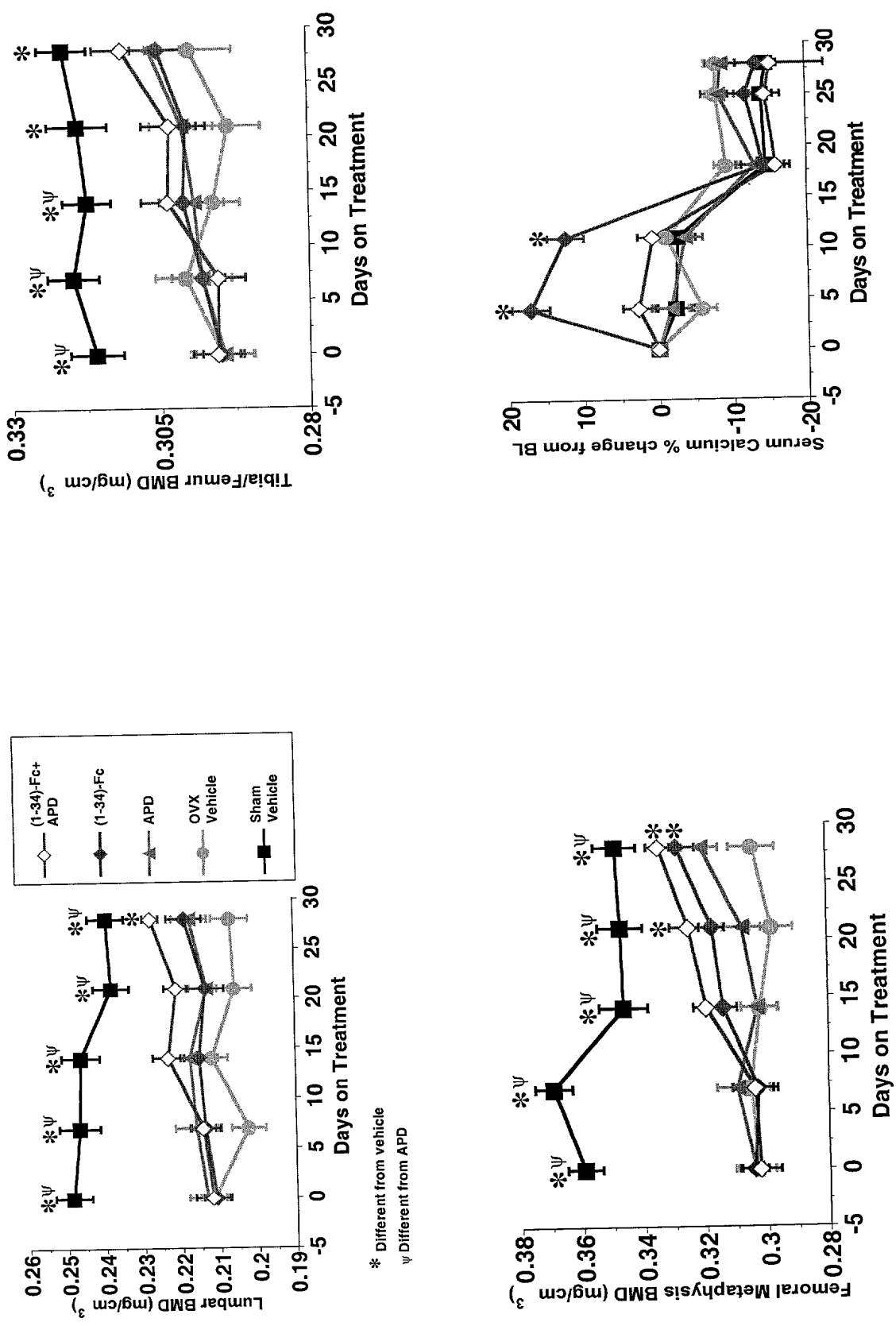
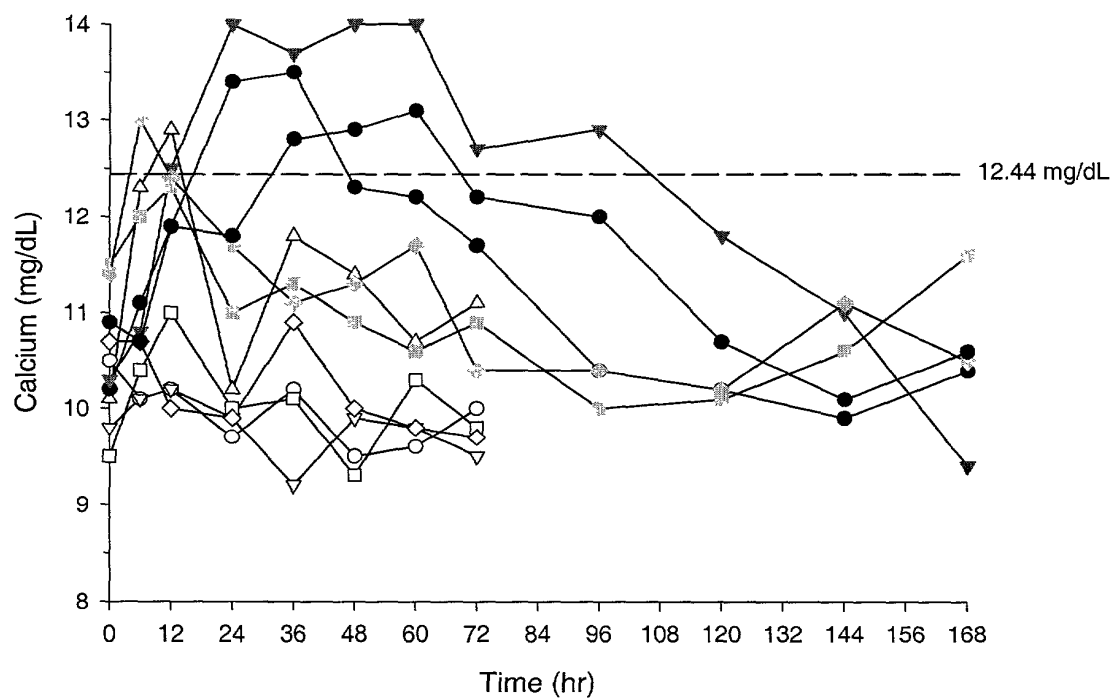


FIG. 12

Effect of Single Dose SC Administration of PTH₍₁₋₃₄₎Fc on Calcium



- Animal #1 Dose 1 µg/kg
- ▽ Animal #2 Dose 3 µg/kg
- Animal #3 Dose 10 µg/kg
- ◇ Animal #4 Dose 30 µg/kg
- △ Animal #5 Dose 100 µg/kg
- Animal #6 Dose 300 µg/kg
- ▼ Animal #7 Dose 1000 µg/kg
- ⊠ Animal #8 Dose 100 µg/kg
- ⊞ Animal #9 Dose 30 µg/kg
- Animal #10 Dose 300 µg/kg